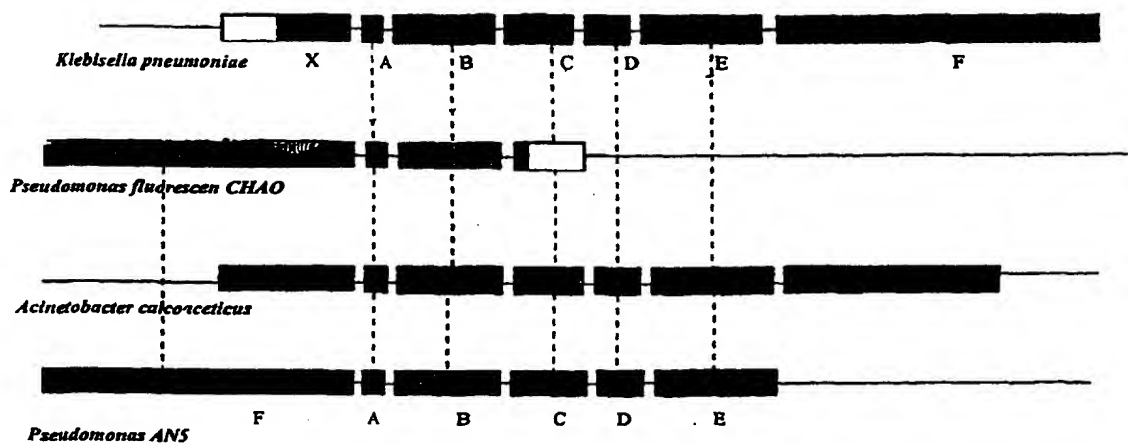




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(54) Title: A METHOD OF CONTROLLING FUNGAL PATHOGENS, AND AGENTS USEFUL FOR SAME



(57) Abstract

A method of preventing or treating infection by a range of fungal pathogens in an animal or plant or stored plant product comprising administering an effective amount of a sugar acid, in particular mannonic acid, gluconic acid or galacturonic. The sugar acid can be delivered by a biocontrol that can manufacture the sugar acid. An exemplified biocontrol is *Pseudomonas* strain AN5, which is characterized by the capacity to convert aldose to sugar acid. Also disclosed are nucleotide sequences from enzymes in the *Pseudomonas* PQQ enzyme pathway which may be used to transform microorganisms and plants so that they produce sugar acids at levels sufficient to control the growth or viability of pathogens.